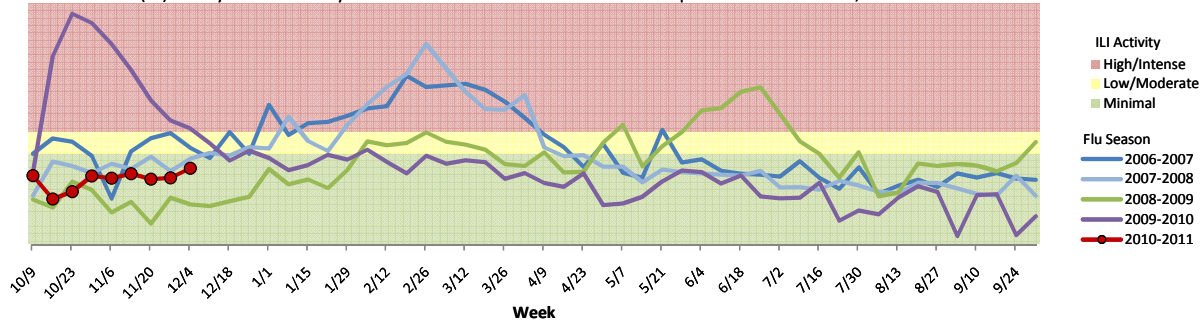


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold- Utah, 2010-2011



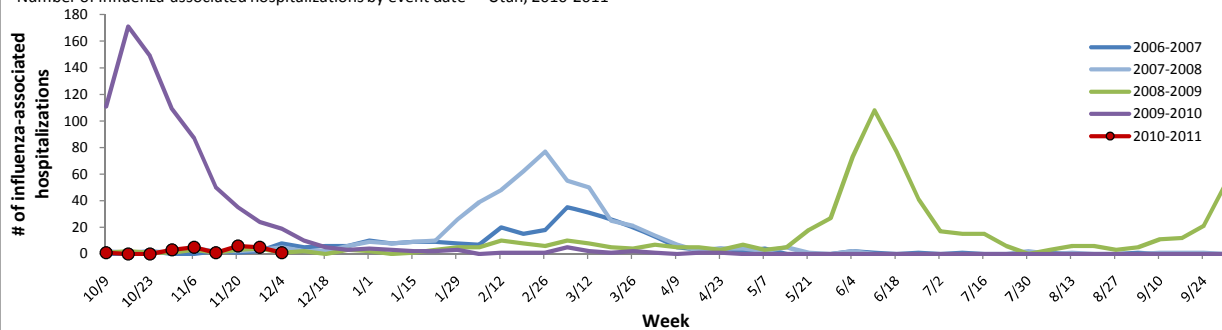
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	No Data
Davis	Minimal
Salt Lake	Minimal
Southwest	No Data
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Minimal
Wasatch	Minimal
Weber-Morgan	No Data
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2010-2011



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	5	22.7%	50.3%	0.0097
	Female	17	77.3%	49.7%	0.0097
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	9	40.9%	82.0%	<0.0001
	Hispanic	10	45.5%	11.6%	<0.0001
	Native Hawaiian/Pacific Islander	3	13.6%	0.7%	<0.0001
	Black/African American	0	0.0%	0.9%	0.6490
	American Indian	0	0.0%	1.1%	0.6157
	Asian	0	0.0%	1.9%	0.5174
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2010-2011

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	6	27.3%	2.2	0
5-24 years	4	18.2%	0.4	0
25-49 years	3	13.6%	0.3	0
50-64 years	5	22.7%	1.2	1
65+ years	4	18.2%	1.6	0
Total	22	100%	0.8	1

Influenza-associated Hospitalizations by Health District, 2010-2011 Season to Date

Health District	Total Hospitalizations
Bear River	0
Central	0
Davis	0
Salt Lake	18
Southeastern	0
Southwest	0
Summit	1
Tooele	1
TriCounty	0
Utah	0
Wasatch	0
Weber-Morgan	2

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	2	9.1%	10	45.5%	10	45.5%
Ventilator	1	4.5%	11	50.0%	10	45.5%
Died	0	0.0%	12	54.5%	10	45.5%
Neurological Symptoms	1	4.5%	10	45.5%	11	50.0%
Healthcare Worker	0	0.0%	12	54.5%	10	45.5%
Pregnant	0	0.0%	17	77.3%	5	22.7%
Heart Disorder	0	0.0%	11	50.0%	11	50.0%
Blood Disorder	0	0.0%	11	50.0%	11	50.0%
Kidney Disorder	0	0.0%	11	50.0%	11	50.0%
Metabolic Disorder	1	4.5%	10	45.5%	11	50.0%
Chronic Respiratory Disorder	4	18.2%	7	31.8%	11	50.0%
Immunosuppressed	2	9.1%	9	40.9%	11	50.0%
Neurological Disorder	1	4.5%	10	45.5%	11	50.0%
Seizure Disorder	0	0.0%	11	50.0%	11	50.0%
Bacterial Co-infection	0	0.0%	11	50.0%	11	50.0%
Obese**	2	15.4%	4	30.8%	7	53.8%
Morbidly Obese**	2	15.4%	4	30.8%	7	53.8%
Risk Factor***	20	90.9%	2	9.1%	0	0.0%
Vaccinated	2	9.1%	8	36.4%	12	54.5%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2010-2011

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	1	100.0%	21	95.5%
Probable**	0	0.0%	1	4.5%
Total	1	100.0%	22	100.0%

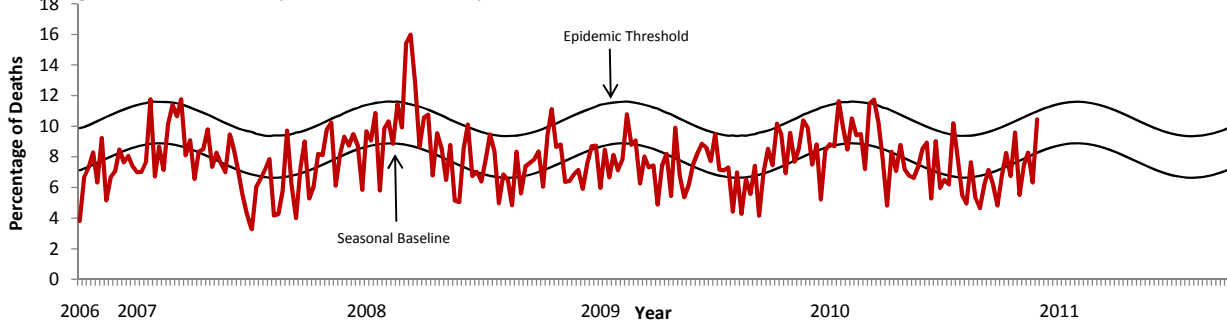
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

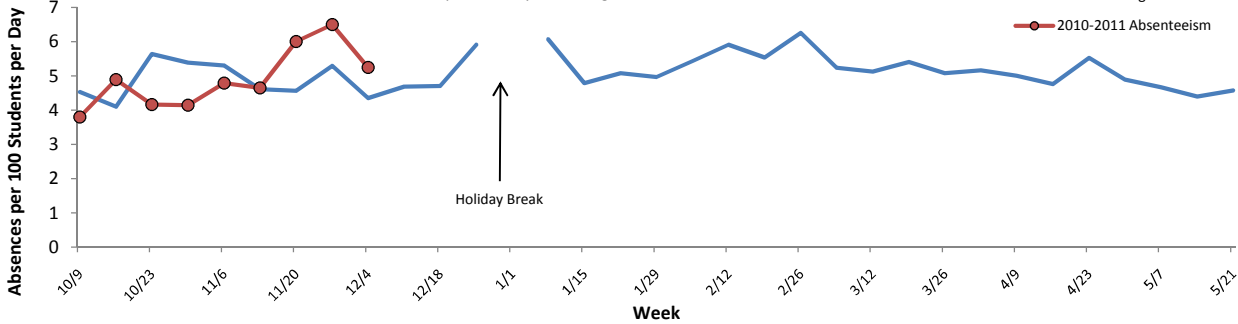
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2011



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2010-2011 and previous 3 year average



Weekly Student Absenteeism - Utah, 2010-2011

Health District	All absences per 100 students/day
Bear River	3.2
Central	3.4
Davis	2.4
Salt Lake	4.7
Southeast	5.2
Southwest	--
Summit	--
Tooele	6.2
TriCounty	8.3
Utah	5.2
Wasatch	6.0
Weber-Morgan	6.4
State	5.2

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	184	--	33	--
Positive specimens	74	40.2%	19	57.6%
Positive Specimens by Type/Subtype				
Influenza A	73	98.6%	19	100.0%
A (2009 H1N1)	3	4.1%	0	0.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	70	95.9%	19	100.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	2	2.7%	0	0.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2010-2011

